

WHAT IS CLAIMED IS:

1. A controlled volume injection/aspiration device comprising:

5 a syringe having a body for containing a medicament, a needle and a piston slidably disposed in said body;

a shell for receiving the syringe body with said needle projecting from said shell;

a plunger rack slidably disposed within said shell
10 for moving said piston; and

a manually operated control disposed in an operative relationship with said plunger rack for moving said plunger rack in a stepwise forward direction causing said piston to eject discrete doses of medication from said syringe body
15 through said needle and in a stepwise reverse direction causing said piston to aspirate discrete quantities of fluid into said syringe body through said needle.

2. The device according to claim 1 further comprising a
20 window disposed in said shell for enabling observation of fluid aspirated into the syringe body.

3. The device according to claim 1 wherein the control comprises an injecting pawl for engaging said plunger rack for
25 moving said plunger rack in said stepwise forward direction and disengaging said plunger rack upon movement in said stepwise reverse direction.

3011

4. The device according to claim 3 wherein the control comprises a withdrawing pawl for engaging said plunger rack for moving said plunger each in said stepwise reverse direction and disengaging said plunger each upon movement in
5 said stepwise forward direction.

5. The device according to claim 1 wherein the control is configured for ejecting medicament in the range between about 5µl and about 1 ml.

10

6. The device according to claim 1 wherein the medicament comprises BOTOX®.

7. The device according to claim 1 wherein the control
15 is configured for finger operation.

8. The device according to claim 1 wherein said syringe is removable from the said shell.